

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

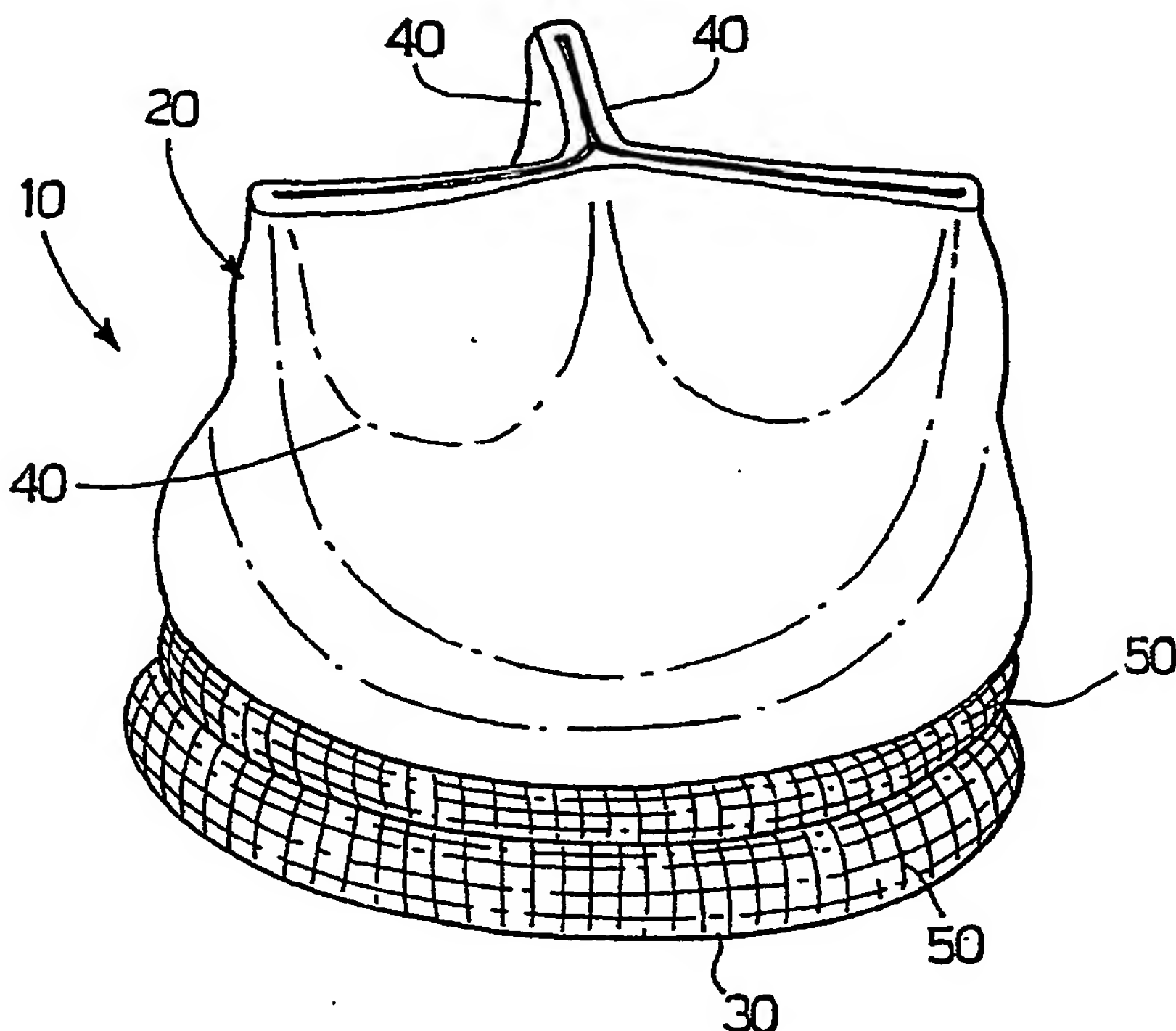
PCT

(10) International Publication Number  
**WO 2005/039452 A1**

- (51) International Patent Classification<sup>7</sup>: **A61F 2/24**
- (21) International Application Number: **PCT/IB2004/003480**
- (22) International Filing Date: 21 October 2004 (21.10.2004)
- (25) Filing Language: **Italian**
- (26) Publication Language: **English**
- (30) Priority Data:  
**BO2003A 000631 23 October 2003 (23.10.2003) IT**
- (71) Applicants and  
(72) Inventors: **PARRAVICINI, Roberto, Erminio [IT/IT];**  
**Viale Virginia Reiter, 51/02, I-41100 Modena (IT).**  
**VERONA, Alessandro [IT/IT]; Largo Zandonai, 3,**  
**I-20145 Milano (IT).**
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): **CENTOLA, Marcos**  
**[IT/BR]; Rua Boavista, 537, San Jose' de Rio Preto,**  
**15025-010 San Paolo (BR).**
- (74) Agents: **JORIO, Paolo et al.; c/o Studio Torta S.r.l., Via**  
**Viotti, 9, I-10121 Torino (IT).**
- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): **AE, AG, AL, AM,**  
**AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,**  
**CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,**  
**GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,**  
**KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,**  
**MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,**  
**PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,**  
**TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,**  
**ZW.**
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): **ARIPO (BW, GH,**  
**GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,**  
**ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),**  
**European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,**  
**FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,**  
**SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,**  
**GW, ML, MR, NE, SN, TD, TG).**
- Published:  
— with international search report

[Continued on next page]

(54) Title: A PROSTHETIC VALVE APPARATUS, IN PARTICULAR FOR CARDIAC APPLICATIONS



(57) Abstract: A prosthetic valve apparatus (10), in particular for cardiac applications. The apparatus (10) comprises a valve prosthesis (20) fastened to a suture ring (30). The apparatus (10) further provides for the valve prosthesis (20) to be fastened to the suture ring (30) by means of a plurality of magnets (21d, 30b) which provide a magnetic attraction between the two components.

WO 2005/039452 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*